Amendments to the Claims:

Please amend Claims 20, 64, 66 and 67 as set forth below.

1 (Previously presented): A composition comprising an isolated DNA molecule comprising TRT (SEQ ID NO:3), or SEQ ID NO:3 that is altered in the central crossover region, with the proviso that the DNA molecule does not comprise the entire sequence of TRT" (SEQ ID NO:4).

2 (Previously presented): The composition of claim 1 wherein the DNA molecule further comprises a heterologous nucleotide sequence.

3 (Previously presented): The composition of claim 1 wherein the DNA molecule does not comprise more than 200 contiguous nucleotides of the sequence TRT" (SEQ ID NO:4).

4 (Previously presented): The composition of claim 3 wherein the DNA molecule does not comprise more than 100 contiguous nucleotides of TRT" (SEQ ID NO:4).

5 (Previously presented): The composition of claim 3 wherein the DNA molecule does not comprise more than 32 contiguous nucleotides of TRT" (SEQ ID NO:4).

6-10 (Canceled)

11 (Previously presented): The composition of any one of claims 1 to 5 wherein the DNA molecule further comprises a selectable marker.

12 (Previously presented): The composition of any one of claims 1 to 5 wherein the DNA molecule is a vector.

13 (Previously presented): A cell transformed with a DNA molecule, said DNA molecule comprising TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central

crossover region, with the proviso that the DNA molecule does not comprise the entire sequence of TRT" (SEQ ID NO:4).

14 (Canceled)

15 (Previously presented): The cell of claim 13 wherein the DNA molecule is integrated into the chromosome of the cell.

16 (Previously presented): A eukaryotic cell transformed with a DNA molecule integrated into its chromosome, said DNA molecule comprising TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region.

17 (Previously presented): The cell of claim 16, which is a mouse embryonic stem cell.

18 (Previously presented): The cell of claim 16 wherein the DNA molecule comprises two copies of TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region, separated by a heterologous nucleotide sequence.

19 (Previously presented): The cell of claim 76 wherein the DNA molecule comprises two copies of TRT' (SEQ ID NO:2) or SEQ ID NO:2 that is altered in the central crossover region, separated by a heterologous nucleotide sequence.

20 (Currently amended): A kit comprising in separate containers:

a) an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region; and

b) an isolated TnpI protein, a TnpI expression vector or a cell capable of expressing TnpI,

with the proviso that the DNA molecule does not comprise the entire sequence of TRT" (SEQ ID NO:4).

21-52 (Canceled)

53 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises TRT (SEQ ID NO:3).

54 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises a sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, and SEQ ID NO:10.

55 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises TRT' (SEQ ID NO:2).

56 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises at least two copies of TRT (SEQ ID NO:3).

57 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises at least two copies of TRT' (SEQ ID NO:2).

58 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises TRT (SEQ ID NO:3).

59 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises a sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, and SEQ ID NO:10.

60 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises TRT' (SEQ ID NO:2).

61 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises at least two copies of TRT (SEQ ID NO:3).

62 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises at least two copies of TRT' (SEQ ID NO:2).

63 (Previously presented): The kit of claim 20, wherein the isolated DNA molecule comprises TRT (SEQ ID NO:3).

64 (Currently amended): ~~The kit of claim 20,~~

A kit comprising in separate containers:

a) an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region; and

b) an isolated TnpI protein, a TnpI expression vector or a cell capable of expressing TnpI,

wherein the isolated DNA molecule comprises a sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, and SEQ ID NO:10.

65 (Previously presented): The kit of claim 20, wherein the isolated DNA molecule comprises TRT' (SEQ ID NO:2).

66 (Currently amended): ~~The kit of claim 20,~~

A kit comprising in separate containers:

a) an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region; and

b) an isolated TnpI protein, a TnpI expression vector or a cell capable of expressing TnpI,

wherein the isolated DNA molecule comprises at least two copies of TRT (SEQ ID NO:3).

67 (Currently amended): ~~The kit of claim 20,~~

A kit comprising in separate containers:

a) an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or SEQ ID NO:3 that is altered in the central crossover region; and

b) an isolated TnpI protein, a TnpI expression vector or a cell capable of expressing TnpI,

wherein the isolated DNA molecule comprises at least two copies of TRT' (SEQ ID NO:2).

68 (Previously presented): The composition of claim 1, wherein the isolated DNA molecule comprises SEQ ID NO:3 that is altered in the central crossover region.

69 (Canceled)

70 (Previously presented): The cell of claim 13, wherein the DNA molecule comprises SEQ ID NO:3 that is altered in the central crossover region.

71 (Canceled)

72 (Previously presented): The eukaryotic cell of claim 16, wherein the DNA molecule comprises SEQ ID NO:3 that is altered in the central crossover region.

73 (Canceled)

74 (Previously presented): The kit of claim 20, wherein the DNA molecule comprises SEQ ID NO:3 that is altered in the central crossover region.

75 (Canceled)

76 (Previously presented): The eukaryotic cell of claim 16, wherein the DNA molecule comprises TRT' (SEQ ID NO:2) or SEQ ID NO:2 that is altered in the central crossover region.

77 (Previously presented): The eukaryotic cell of claim 16, wherein the DNA molecule comprises SEQ ID NO:2 that is altered in the central crossover region.

78 (Canceled)